



I. Status of Current Environmental Studies

A. United States Geological Survey Study

1. Geology/Hydrology evaluation
2. Computer modeling and testing
3. Current schedule of the overall study
4. Financial request of the U.S.G.S.

B. Hickok, H.D.R., Geraghty and Miller Study

1. Work plan-scope of services
 - a. Technical information necessary to design a remedial program to eliminate groundwater pollution
 - b. Economic information necessary to assist in the evaluation of the various treatment alternatives

2. Schedule of the Study

(attachment 1)

3. Financial plan

C. Hickok and Associates City Water System Study

1. Work plan - scope of services
 - a. Preparation of an engineering feasibility report for the alleviation of the risk associated with the drinking water contamination

b. Construction grant search

2. Explanation of the relationship of this study to the overall MDH study

3. Schedule of the study

(attachment 2)

4. Financial plan

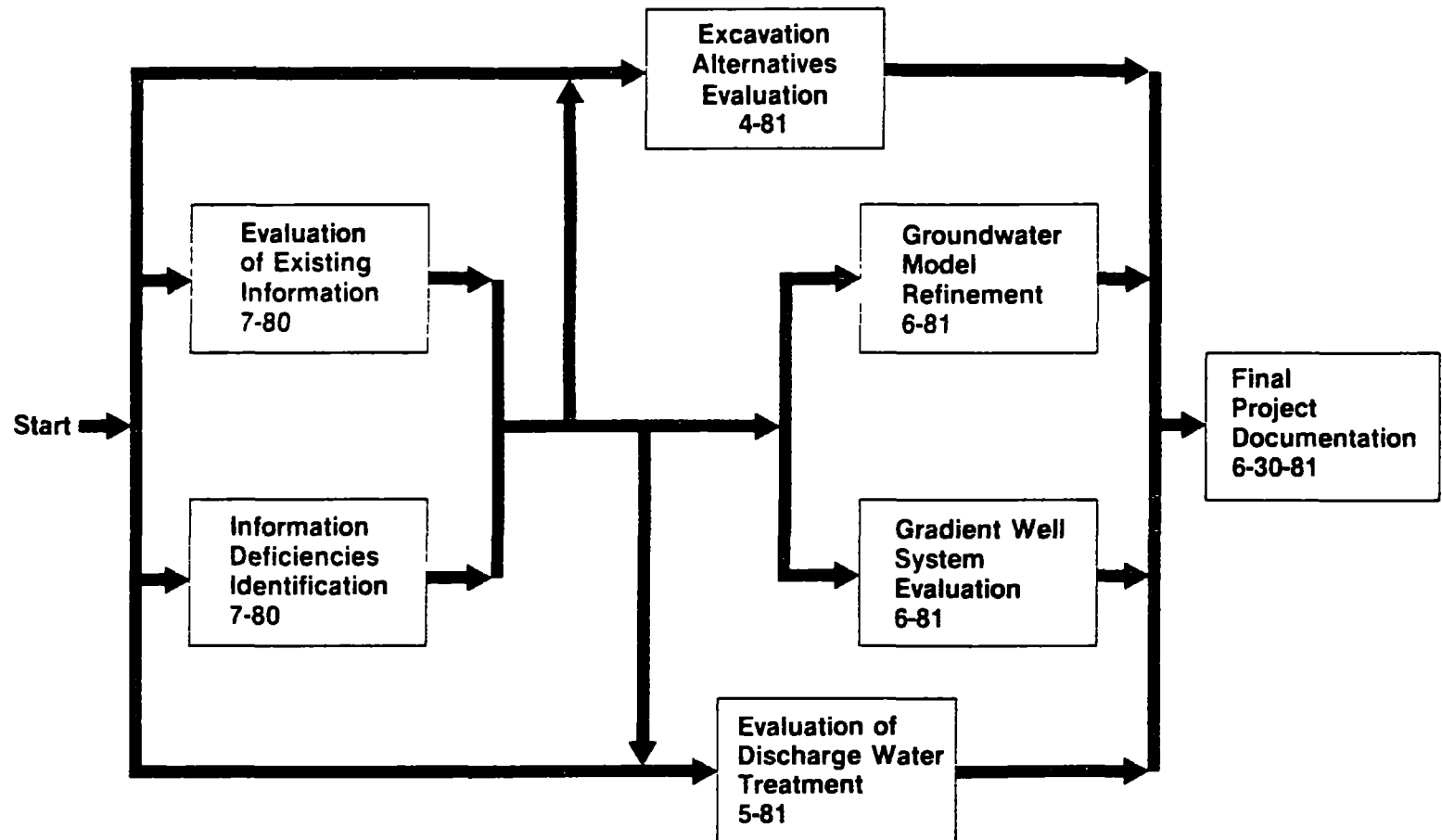
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II. 1980 Summer water need implications.

- A. Status of City drinking water wells (attachment 3)
 - 1. Current well test results
 - 2. Standards
 - 3. Testing plan
- B. Dry year versus wet year capacity problems (attachment 4)
- C. Well #15 Carbon slurry treatment - 5% increase
- D. Sprinkling prohibitions
 - 1. Historical sprinkling bans in St. Louis Park
 - a. Resolution No. 850 (attachment 5)
 - b. Resolution No. 1814 (attachment 6)
 - 2. Sample resolution authorizing restrictions on water use (attachment 7)
 - a. Notification
 - b. Enforcement

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Project Flow Chart



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WORK PLAN

FIGURE 1

[illegible]

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ST LOUIS PARK WATER SYSTEM STUDY

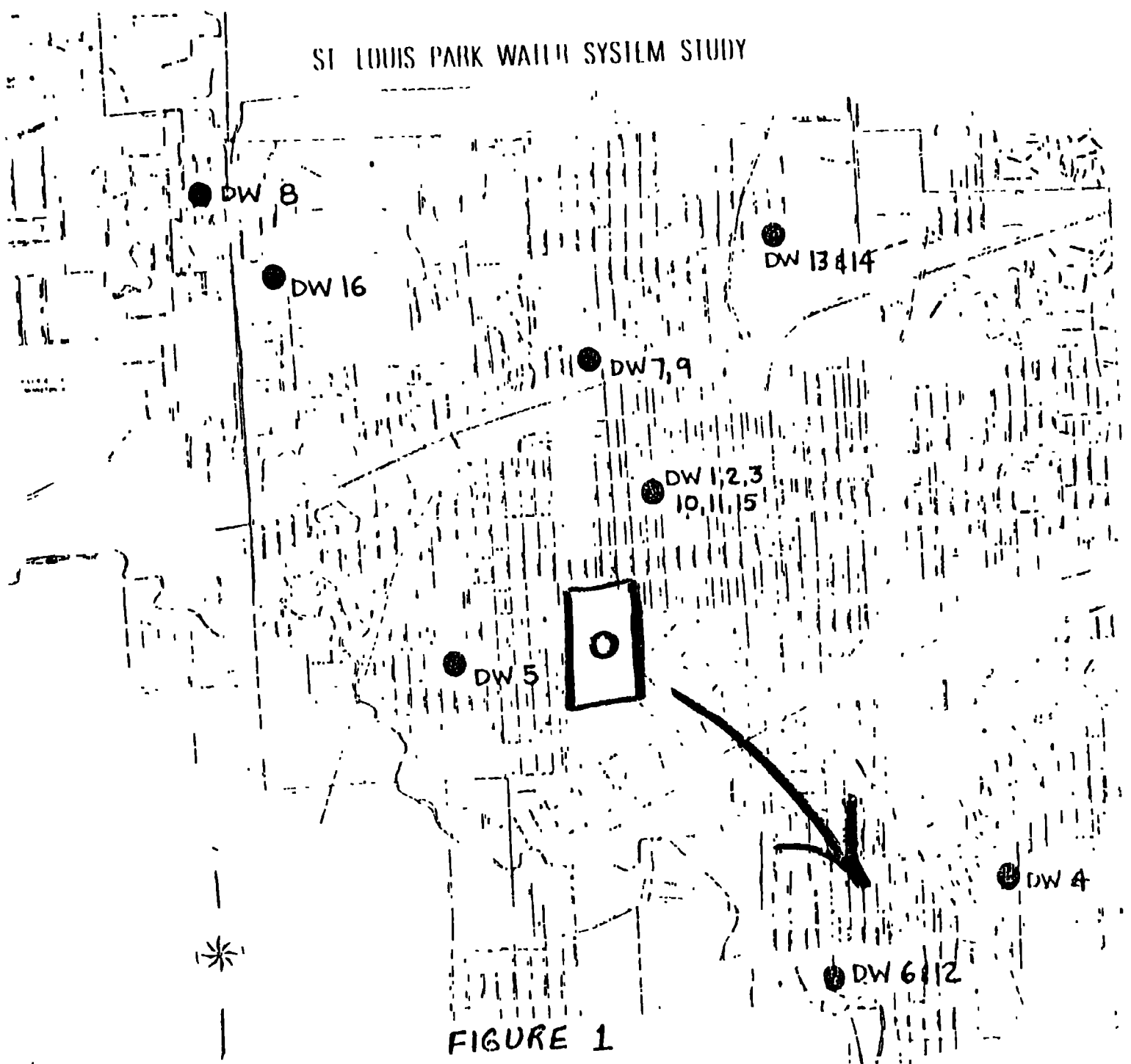


FIGURE 1

EXISTING DEEP WELLS

Well 3	St. Peter	Aquifer	* Well 10	Jordan	Aquifer
* Well 4	Jordan	Sandstone "	Well 11	Hinckley	"
Well 5	Jordan	Aquifer	Well 12	Hinckley	"
Well 6	Jordan	"	Well 13	Hinckley	"
* Well 7	Jordan	"	Well 14	Jordan	"
Well 8	Jordan	"	* Well 15	Jordan	"
* Well 9	Jordan	"	Well 16	Jordan	"

* Wells not in operation as of 1/1/80

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JUNE - JULY - AUGUST

WET YEAR VERSUS DRY YEAR IMPLICATIONS

<u>WELL</u>	<u>1976 (DRY)</u>	<u>1978 (WET)</u>
4	56,900,000 gallons	94,400,000 gallons
7	17,700,000	9,400,000
9	17,700,000	9,400,000
10	46,800,000	3,800,000
15	<u>58,600,000</u>	<u>59,800,000</u>
TOTAL 5 WELLS	197,700,000	176,800,000
ALL WELLS	966,600,000	677,200,000
1978 WET YEAR	26%	WELLS 4, 7, 9, 10 and 15
1976 DRY YEAR	20%	WELLS 4, 7, 9, 10 and 15

30% LESS WATER PUMPED DURING 1978 VERSUS 1976

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MAY 5, 1980

11a

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING RESTRICTIONS ON
WATER USE

WHEREAS, the City of St. Louis Park has closed
four of its ~~water~~ wells because of possible ^{water}contamina-
tion; and

WHEREAS, adverse weather conditions during the
summer peak demand period for water could cause a ~~water~~
shortage; and

WHEREAS, to avoid a ^{water}shortage of ~~water~~ during the
summer, it may be necessary to impose restrictions on
certain uses of water within the City; therefore,

BE IT RESOLVED by the City of St. Louis Park that
the acting City Manager is authorized to impose re-
strictions on ~~the water~~ ^{lawn}sprinkling, of ~~lawns~~, if and
when such restrictions are warranted by the threat of a
water shortage.

BE IT FURTHER RESOLVED that any restrictions placed
on lawn sprinkling shall be as follows: All property

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4-30-59

RESOLUTION NO 850

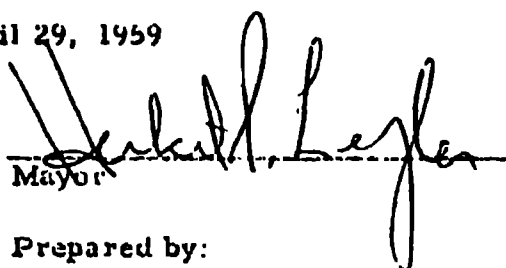
IMPOSING RESTRICTIONS ON THE USE OF WATER

BE IT RESOLVED by the City Council of the City of St. Louis Park:

That a shortage of water supply threatens the City, and it is necessary to limit the times and hours during which water may be used from the city water supply system for sprinkling and irrigation.

BE IT FURTHER RESOLVED that lawn sprinkling be restricted as follows - - - All property owners on the EVEN SIDE of the street be permitted to sprinkle on EVEN DAYS, except between the hours of 4 P. M. and 8 P. M.; and all property owners on the ODD SIDE of the street be permitted to sprinkle on the ODD DAYS, except between the hours of 4 P. M. and 8 P. M.

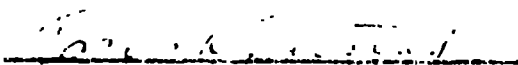
Adopted by the City Council April 29, 1959



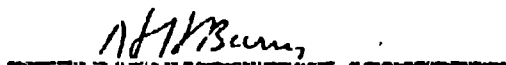
Mayor

Attest:

Prepared by:




City Clerk



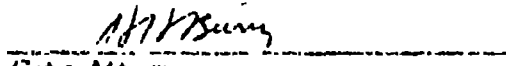
City Attorney

Reviewed for administration:

Approved as to form and legality:



City Manager



City Attorney

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Original

SEP

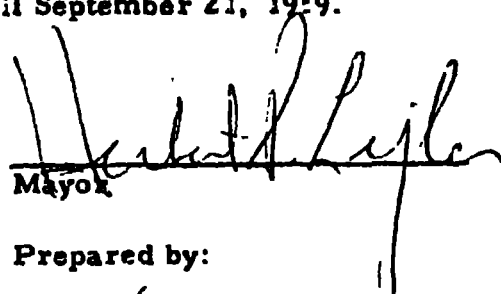
9/16/59

RESOLUTION NO. 1083

TERMINATING RESTRICTIONS ON USE
OF WATER

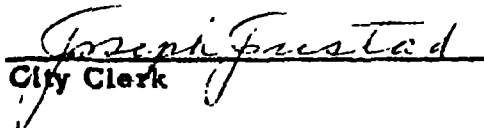
RESOLVED by the City Council of the City of St. Louis
Park that all restrictions on the use of water from the City water
supply system, imposed by Resolution No. 850, Dated April 29, 1959,
are hereby terminated, effective the date of the adoption hereof.

Adopted by the City Council September 21, 1959.



Mayor

Attest:



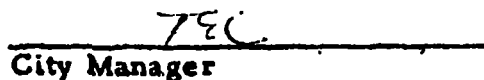
City Clerk

Prepared by:



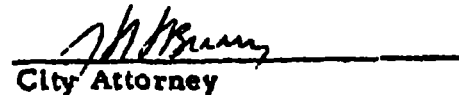
City Attorney

Reviewed for administration:



City Manager

Approved as to form and legality:



City Attorney

003458

Original

6/21/61

JUNE 26, 1961

RESOLUTION NO. 1814

7B

IMPOSING RESTRICTIONS ON THE USE OF WATER

BE IT RESOLVED by the City Council of the City of St. Louis Park:

That a shortage of water supply threatens the City, and it is necessary to limit the times and hours during which water may be used from the city water supply system for sprinkling and irrigation.

BE IT FURTHER RESOLVED that lawn sprinkling be restricted as follows:

All property owners on the EVEN SIDE of the street be permitted to sprinkle on EVEN DAYS, except between the hours of 4 P. M. and 8 P. M.; and all property owners on the ODD SIDE of the street be permitted to sprinkle on the ODD DAYS, except between the hours of 4 P. M. and 8 P. M.

Adopted by the City Council June 26, 1961.

Kenneth Nofe
Mayor

Attest:

Joseph Gustad
City Clerk

Prepared by:

H. E. Kiergaard

Reviewed for administration:

C. D. Andre
City Manager

Approved as to form and legality:

M. W. B. B. B.
City Attorney

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ORIGINAL

10/4/61

OCTOBER 9, 1961

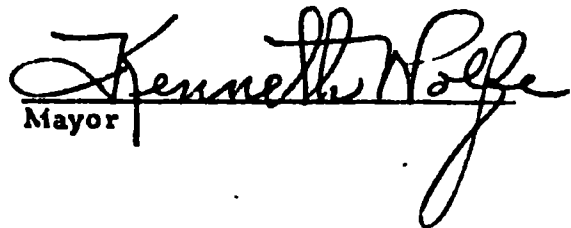
RESOLUTION NO. 1913

7C


TERMINATING RESTRICTIONS ON USE OF WATER

RESOLVED by the City Council of the City of St. Louis Park
that all restrictions on the use of water from the City water supply
system, imposed by Resolution No. 1814, Dated June 26, 1961
are hereby terminated, effective the date of the adoption hereof.

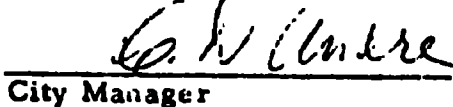
Adopted by the City Council October 9, 1961.


Mayor

Attest:


City Clerk

Reviewed for administration:


City Manager

Approved as to form and legality:


City Attorney

003460